

## 2019-2020 Applied Algebra 2 Syllabus

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Links to my website  
(scan code w/ phone  
camera)

### COURSE DESCRIPTION

In Applied Algebra II students learn upper level algebra through practical application and hands-on experience. This course is designed for students who have taken or are taking Algebra I and Geometry and provide them with a deeper algebraic understanding through modeling of real world scenarios and hands on learning.

**CTE Dual Credit:** This course is CTE Dual Credit approved and articulated with Renton Technical College AMATH 195. Students who demonstrate proficiency of the college course competencies with a “C” (2.0) or better grade, may be eligible to earn college credit through the CTE Dual Credit program. Students must register with Renton Technical College and pay an application fee to be eligible to the college credit transcribed. Students may earn credit for the following college course: AMATH 195 – Advanced Algebra for Business & Industry (5 college credits)

### INSTRUCTIONAL MATERIALS

Algebra 2: Learning in Context, CORD Publications

Online Textbook: <http://cord-books.net/>

Student code: equation

### UNITS

- Unit 1: Fundamentals of Algebra
- Unit 2: Systems of Equations and Inequalities
- Unit 3: Matrices
- Unit 4: Functions
- Unit 5: Exponents
- Unit 6: Quadratic Equations
- Unit 7: Conic Sections
- Unit 8: Exponential and Logarithmic Functions
- Unit 9: Polynomials
- Unit 10: Rational Functions
- Unit 11: Sequences and Series
- Unit 12: Trigonometric Functions
- Unit 13: Trigonometric Graphs and Identities
- Unit 14: Probability

### MATERIALS

Bring with you daily:

- ❖ 2 Spiral notebooks
- ❖ Graph paper
- ❖ Pencils
- ❖ Colored Pens
- ❖ Graphing Calculator
- ❖ Folder for worksheets/assessments

A graphing calculator is required and only a select few will be available to use in class only. If you would like one to use at home, it is suggested you purchase one (you can find these at Walmart, Target, or Amazon). In class all demonstrations will be done on a TI-84

### GRADING

**Grade breakdown:**

The following is a breakdown of the grading policy:

- Leadership - 10%
- Assignments - 20%
- Assessments/projects - 55%
- Final – 15%

- Students will earn a **leadership grade and** this grade will account for 10% of a student's overall grade.

Explaining a homework question up on the board	5pts
Helping another student on a homework problem	2pts
Asking a question when confused about a problem	3pts
Demonstrating a problem on the board during lesson	5pts
Being on time every day for a week	2pts
Professional Attire Wednesday	2pts
Write a thank you letter to a staff member *Turn into Mr. Elisara to give to them	3pts
Create and video tape a song about a certain math topic	10pts
Create a math game for one of the unit topics	10pts
Prepare a lesson on one of the unit topics	10pts
Other ideas may be submitted for approval	

- Assignments will account for 20% of the student's grade. Assignments will be almost daily and due the next day unless stated otherwise. Students and Guardians can check website for daily assignments.
- Assessments/projects will account for 55% of the class grade.
- The final assessment at the end of each semester will account for 15% of the class grade

**Late Work:** I will accept late work up until the day of that unit's exam. For example, any late work assigned during chapter 3 will be accepted until the day we test for chapter 3. You will receive 60% of the grade the assignment would have earned.

I will make exceptions for challenging, unexpected circumstances on a case by case basis. I will also make exceptions for accommodations documented in 504s and IEPs.

**Letter Grades:**

A 93 to 100%	B+ 87 to 89.99%	C+ 77 to 79.99%	D+ 67 to 69.99%	F below 60%
A- 90 to 92.99%	B 83 to 86.99%	C 73 to 76.99%	D 60 to 66.99%	
	B- 80 to 82.99%	C- 70 to 72.99%		

**\*\*\* I do not bump or round grades, so plan accordingly! \*\*\***

**Retakes:** I do not offer retakes in this class unless there is an opportunity provided for all students.

I am available during Flex periods for math help. Otherwise, make an appointment ahead of time to ensure I am available. Copies of handouts will be available online via the class website. Copyrighted materials will require a password. Math labs are also available Mondays and Thursdays after school 3-4. Please don't ever feel shy or embarrassed to ask for help!

**Academic Integrity:** Unless specifically instructed otherwise, it is expected that all the materials submitted for this course are your work. Violations of this policy include but are not limited to cheating, plagiarism, copying answers and passing it off as your own work, storing notes on a calculator, any communication with another person other than the teacher during an individual test or quiz. Students in violation of this policy are subject to failure for that activity. See student handbook for more information.

I have read the syllabus and understand the expectations for the course.

**Student Signature:** \_\_\_\_\_

**Parent Signature:** \_\_\_\_\_